

Model Number 3049E1

PERFORMANCE SPECIFICATIONS

PS3049E1

REV C, ECN 15295, 09/03/15



MINIATURE DESIGN

- HERMETICALLY SEALED
- LOW-OUTGASSING
- BASE ISOLATED

PHYSICAL	
Weight, Max.	
Connector, Top Mounted	
Mounting Provision	
Material (Base, Cap, Connecto	or)
Sensing Element	Material
	Mode
DEDECRIANCE	
PERFORMANCE	
Sensitivity, ±5% [1]	
Range for ± 5 Volts Output	
Frequency Response, ± 5%	
Resonant Frequency	

Sensitivity, ±5% [1]
Range for ± 5 Volts Output
Frequency Response, ± 5%
Resonant Frequency
Equivalent Electrical Noise Floor
Linearity, [2]
Maximum Transverse Sensitivity
Base Strain Sensitivity @ 250με
ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal

## ELECTRICAL Supply Current Range [3] Compliance Voltage Range Output Impedence, Typ. Bias Voltage Discharge Time Constant

Discharge Time Constant	
Output Signal Polarity for Acceleration Tow	ard Top
Electrical Isolation (Case Ground to Mounti	ng Surface)

ENGLISH	
0.12	oz
10-32	
Adhesive	
Titanium Alloy	
Ceramic	
Shear	

10	mV/g
500	g
1 to 10,000	Hz
> 35	kHz
0.003	Grms
±2	% F.S.
5	%
0.004	g/με

Gpeak

Gpeak

5000 -60 to +250	600
	5000
	-60 to +250
Hermetic	Hermetic

	_
2 to 20	mA
+18 to +30	Volts
100	Ω
+11 to +13	VDC
0.5 to 1.2	Sec
Positive	
10	GΩ

SI	
3.5	
10-32	
Adhesive	
Titanium Alloy	
Ceramic	
Shear	

1.0	mV/m/s <sup>2</sup>
4905	m/s <sup>2</sup>
1 to 10,000	Hz
> 35	kHz
0.03	m/s <sup>2</sup> rms
±2	% F.S.
5	%
0.04	m/s²/με

5886	m/s² peak
49050	m/s² peak
-51 to 121	°C
Hermetic	

	_
2 to 20	mA
+18 to +30	Volts
100	Ω
+11 to +13	VDC
0.5 to 1.2	Sec
Positive	
10	GΩ

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Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)				

Refer to the performance specifications of the products in this family for detailed description

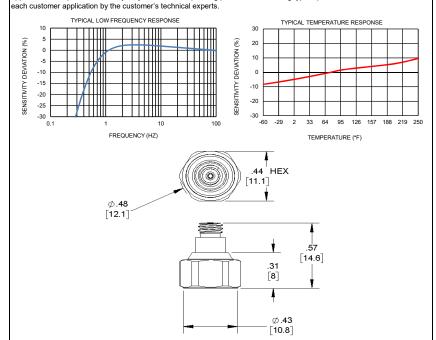
## Supplied Accessories:

1) Accredited calibration certificate (ISO 17025)

## Notes:

grams

- [1] Measured at 100Hz, 1 Grms per ISA RP 37.2.
- [2] Measure using zero-based straight line method, % of F.S. or any lesser range.
- [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.
- [4] In the interest of constant product improvement, we reserve the rights to change the specifications without notice. It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for







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